

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054566 A1

(51) International Patent Classification⁷: **D06M 13/432**,
16/00, 15/423, 15/41, 11/13, 11/55, A01N 47/44, A61L
2/16

(74) Agents: **BANNERMAN, David, Gardner et al.**; With-
ers & Rogers, Goldings House, 2 Hays Lane, London SE1
2HW (GB).

(21) International Application Number:
PCT/GB2004/004738

(22) International Filing Date:
10 November 2004 (10.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0327693.8 28 November 2003 (28.11.2003) GB

(71) Applicant (for all designated States except US): **ARCH
UK BIOCIDES LIMITED** [GB/GB]; Wheldon Road,
Castleford, West Yorkshire WF10 2JT (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PAYNE, John,**
David [GB/GB]; 5 Hargreaves Court, Lumb, Rossendale,
Lancashire BB4 9QA (GB). **YATES, John, Edward**
[GB/GB]; 966 Oldham Road, Rochdale, Lancashire OL11
2BS (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **FIBRES TREATED WITH ANTIMICROBIAL AGENTS**

(57) Abstract: A composition for inhibiting the growth of microorganisms on non-cellulosic fibres having g a moisture regain of \leq 5%, comprising; i) 1 to 50 wt% of at least a self-crosslinkable resin; ii) 0.25 to 20 wt% of at least a catalyst; iii) 0. 1 to 4 wt% of at least an antimicrobial active agent, reactive with the resin; iv) 98.65 to 26 wt% of water; wherein i) + ii) + 111) + iv) = 100%.



WO 2005/054566 A1